



Department of Defense (DoD) and Department of Veterans Affairs (VA) Health Data Sharing Update

Presented to the DoD/VA

2010 Joint Venture Conference

October 26, 2010

All data as of October 1, 2010





Session Objectives



- Upon completion of the presentation, participants will:
 - Have a basic knowledge of the DoD/VA Stakeholders
 - Have a basic knowledge of the current DoD/VA health data sharing initiatives
 - Gain an understanding of how providers currently access health data through the Departments' electronic health records
 - Discover factors influencing the need to broaden data sharing initiatives to include private sector and other agency providers





DoD/VA Data Sharing Stakeholders



- Executive Branch
- Congress
- Office of Management and Budget
- Government Accountability Office
- Military Services
- Providers
- Beneficiaries





Military Health System (MHS)

- Over 9.6 Million Beneficiaries
 - 42% active duty, 58% retirees and dependents
- Direct Care:
 - Over 720 fixed medical and dental facilities
- Purchased Care:
 - TRICARE: Over 300,000 Network Providers
 - Civilian Providers: Nearly 300,000 accept TRICARE



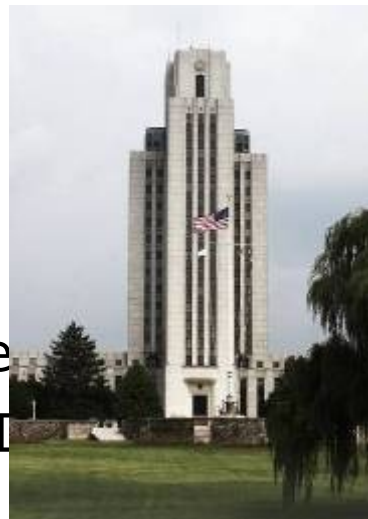


MHS Electronic Health Record (EHR) Footprint (Sustaining Base)



Supporting transient patient populations and transient health care teams

- AHLTA – Worldwide
 - Covers Every Time Zone
 - 9.6 Million Beneficiaries
 - 156 Million Outpatient Encounters
 - 144,000 Additional Encounters/Day
 - 77,000 Active Users
 - The White House Medical Unit
- MHS Inpatient Solution
 - 41 Sites (over 77% of DoD Inpatient Beds)
 - Continued Deployment in FY 2011





MHS EHR Footprint (Theater)



- Operation Enduring Freedom/ Operation Iraqi Freedom
 - 3.6 Million Outpatient and 51,000 Inpatient Clinical Encounters captured electronically
 - 8.6 Million Orders for Ancillary Services (inpatient and outpatient laboratory, radiology, and pharmacy)
 - Iraq, Qatar, Kuwait, Afghanistan
 - EHR capability on board ships





Veterans Health Administration



- Over 7.7 Million Enrollees
 - Increase of over 105 percent since 1995 (2.5 million enrollees)
- Over 5.5 Million Patients
 - Older, sicker, and poorer patient populations
- Over 1,500 Direct Care Sites
 - 153 Medical Centers/Hospitals
 - 956 Clinics (hospital, community based, and independent)
 - 232 Counseling Centers
 - 134 Nursing Homes



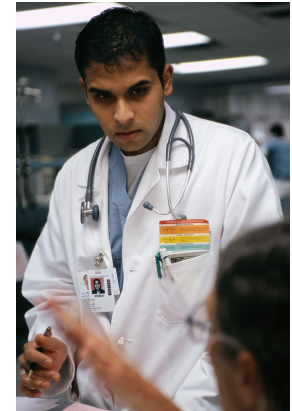


Veterans Health Administration

(continued)



- Over 86,000 Health Care Providers
 - 15,000 Physicians
 - 38,000 Nurses
 - 33,000 Allied Health Professionals
 - 10,000 *fewer* employees than 1995
- Affiliations with 107 Academic Health Systems
 - 25,000 affiliated physicians, 35,000 residents and fellows
 - 90,000 trainees in all disciplines
 - Nearly half of all US health professionals (over 65% of physicians) have had some training in a VA facility
- \$1.7 Billion in Research (Rehabilitation, Health Services, Clinical, and Basic)





Motivations for Sharing Data

- Close proximity or co-located facilities
 - Joint venture sites/local sharing agreements
- Reserve/Guard medical care
 - Care in VA post-demobilization
 - Care in MHS when remobilized
- Service members post-separation
 - Continuity of care
 - Determination of benefits





Point of Separation



300 million messages (DoD to VA) on 5.3 million retired or discharged Service members

- Lab results
- Radiology reports
- Outpatient Rx data
- Allergy information
- Discharge summaries
- Consult reports
- Admission/discharge/transfer information
- Standard ambulatory data record elements
- Demographic data
- Pre-/post-deployment health assessments
- Post-deployment health reassessments*



**Transmitted weekly for individuals referred to VA for care or evaluation*



Shared Patients



Supports care for more than 3.8 million patients to date

DoD providers access VA data through AHLTA

VA providers access DoD data through
*VistA CPRS or VistAWeb

Specialists in VBA access DoD data through
*CAPRI

- Allergies
- Outpatient pharmacy
- Demographics
- Inpatient and outpatient lab results
- Radiology reports
- Ambulatory encounter notes
- Procedures
- Problem lists

- Inpatient notes (from DoD Essentris sites)
- Theater clinical data
- Vital signs
- Family history, social history, other history
- Questionnaires



* VistA – Veterans Health Information Systems and Technology Architecture

* CPRS – Computerized Veterans Health System

* CAPRI – Compensation and Pension Record Interchange



BEST,ONE: AHLTA (Privacy Act of 1974/FOUO)

File Edit View Go Tools Actions Help

Close

ALLEN, LAB 20/222-11-1333 20yo M CPO DOB:08 Aug 1988

Folder List

- Desktop
- Notifications (19)
- Appointments
- Telephone Consults (1)
- Search
- New Results (34)!
- Tasking
- Co-signs (4)
- Sign Orders
- Consult Log
- Patient List
- CHCS-I
- EWSR
- VisualDX
- Patient Registries
- Reports
- Tools
 - Web Browser
 - Order Management
- ALLEN, LAB
 - Demographics
 - Documents
 - Health History
 - Problems
 - Meds
 - Allergy
 - Wellness
 - Immunizations
 - Vital Signs Review
 - PKC Couplers
 - Readiness
 - DD2766
 - Patient Questionnaires
 - DoD/VA/Theater History**
 - Profiles/Restricted
 - Lab
 - Radiology
 - Clinical Notes
 - Previous Encounters
 - Flowsheets
 - Current Encounter
 - Screening & Vitals
 - Triage

Appointments DoD/VA/Theater History

BHIE Data Viewer Module

Patient Data

Allergy
Clinical Notes
Encounters
Histories
Laboratory
Problems
Outpatient Medications
Questionnaires
Radiology
Vitals

AHLTA GLOBAL INFORMATION for QUALITY CARE

BHIE-AHLTA

Seal of the Department of Defense Seal of the Department of Veterans Affairs

In AHLTA, the user selects "DoD/VA/Theater History" to launch the viewer

Theater, CHCS Share

BEST,ONE in Blue MTF at 4th Medical Group

Vista CPRS in use by: [Redacted]

File Edit View Tools Help

ZZTEST.VADOD ONE Visit Not Selected Primary Care Team Unassigned [Redacted] **VistaWeb** **Remote Data** No Postings

000-00-7312 Sep 20,1939 (70) Current Provider Not Selected

Available Reports

- HDR Reports
- Dept. of Defense Reports
 - Allergies
 - Expanded ADT
 - Consults (DOD Remote data only)
 - Discharge Summary
 - Histories (DOD Remote data only)
 - Family History
 - Social History
 - Other Past Medical History
 - Laboratory
 - Outpatient Encounter
 - Pharmacy All Outpatient
 - Progress Notes
 - All Problem List
 - Questionnaires (DOD Remote data only)
 - Radiology Report

Date Range

- Today
- One Week Back
- Two Weeks Back
- One Month Back
- Six Months Back
- One Year Back
- Two Years Back
- All Results
- T-732 to T

Histories (DOD Remote data only) Social History [From: Oct 23,2008 to Oct 23,2009] Max/site:101 <<ONLY REMOTE DOD DATA INCLUDED IN RESULTS>>

Facility	Date Reported	Finding	Comme...	Status	Date/Time of O	Source
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:32	marital history - wi...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:32	sexually active...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:32	social history revi...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:32	activities of daily li...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:31	daily coffee consu...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:31	smoking...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:31	alcohol...	...	Active	Unknown	
Madigan AMC-Fort Lewis	09/29/2009 22:31	No current diet ins...	...	Active	Unknown	
Madigan AMC-Fort Lewis	09/29/2009 22:28	current diet less th...	...	Active	Unknown	

122412
Reported By
[Redacted]
Unverified (Reported By Patient)
No
Facility: D. D. Eisenhower AMC Ft Gordon GA
=====

Cover Sheet Problems Meds Orders Notes Consults Surgery D/C Summ Labs Reports

In VistA CPRS, the user selects the Remote Data button to launch the Remote Data Viewer, or the VistAWeb button to launch VistAWeb

vistaWEB

Logoff

- [-] Home
- [-] Histories and Questionnaires (DoD Remote Data Only) ↑
- [-] Laboratory
 - [-] Autopsy
 - [-] Blood Availability
 - [-] Blood Transfusion
 - [-] Blood Bank Report
 - [-] Surgical Pathology ↑
 - [-] Cytology ↑
 - [-] Electron Microscopy
 - [-] **Lab Orders ↑**
 - [-] Chem & Hematology ↑
 - [-] Microbiology ↑
 - [-] Lab Summaries
- [-] Anatomic Path Reports
- [-] Medicine
- [-] Orders
- [-] Outpatient Encounters/GAF
- [-] Pharmacy *
- [-] Problem List ↑
- [-] Progress Notes ↑
- [-] Other Notes
- [-] Radiology
- [-] Surgery Reports
- [-] Vital Signs ↑ *
- [-] Health Summaries (MIA)
- [-] Health Summaries (BIL)
- [-] Health Summaries (HUV)
- [-] Health Summaries (BRX)
- [-] Health Summaries (SDC)
- [-] Health Summaries (BED)
- [-] Health Summaries (IND)
- [-] Health Summaries (NOP)

Lab Orders

ZZTEST,VADOD ONE (00

VistAWeb Patient Record Screen

This page uses pop-up windows. [Click here for help on enabling pop-ups.](#)

Date Range:
 ☐ Today
 ☐ One Week
 ☐ Two Weeks
 ☐ One Month
 ☐ Two Months
 ☐ Six Months
 ☒ One Year
 ☐ Two Years
 ☐ All Dates

From: (mm/dd/yyyy) To: (mm/dd/yyyy)

Query

[Print Report](#)

Collection Date	Test Name	Specimen	Urgency	Provider	Ordered Date	Accession #	Available Date	Status	Site
12/30/2009 10:46	XX DIFF	BLOOD	ROUTINE	SERBAS,JEOSALINA N	12/30/2009 10:45	091230 HE 8550	12/30/2009 10:52	COMPLETE	NH CAI PENDLI
11/24/2009 08:50	DIFF COUNT (BLOOD)	BLOOD	ROUTINE	WADE,C	11/24/2009 08:50	HE 1124 203	11/24/2009 08:53	COMPLETED	INDIAN VAMC
11/24/2009 00:00	PTT-NON THERAPY	PLASMA	ROUTINE	FABIAN,J	11/24/2009 12:08	NONE	UNKNOWN	ORDERED	BILOXI
10/20/2009 00:00	IRON PANEL	SERUM	ROUTINE	GONZALEZ,E	10/20/2009 11:04	NONE	UNKNOWN	ORDERED	BILOXI
10/16/2009 13:46	MRSA PCR SCREEN	NOSE	ROUTINE	ABREU-RUIZ	10/16/2009 13:46	NONE	UNKNOWN	ORDERED	TAMPA
08/28/2009 10:08	C & S	URINE	ROUTINE	GRAVLIN,K	08/28/2009 10:08	MI 09 5659	08/28/2009 10:09	COMPLETED	ANN AI VAMC
08/21/2009 13:16	HEPATITIS A AB,IgM..	SERUM	ROUTINE	DOCTOR,E	08/21/2009 13:16	BILPC 0821 69	08/25/2009 14:46	COMPLETED	BILOXI
08/20/2009 09:05	CBC WITH AUTOMATED DIFF~	BLOOD	ROUTINE	DR,REF	08/20/2009 09:05	090820 HEM 1990	08/20/2009 09:06	COMPLETE	EISENH AMC+

V Ready.

News

VistA

ZZTEST,VADOD ONE SSN#000007312

DOB: 09/20/1939 ICN: 1014270843

C&P Exams 7131 Request Reports Admin Health Summaries Clinical Documents **VistaWeb** **DoD Records**

NOTE: DoD data at shared sites is available immediately. All other sites will be available less than a week after discharge.

- Allergies
- Expanded ADT
- Consult Report
- Discharge Summary
- Lab Orders
- Chem & Hem
- Surgical Path
- Cytology
- Microbiology
- Radiology Report
- Outpatient Rx
- Progress Notes

Facility	Characteristic (Allergy Reactant)	Type
NH CAMP PENDLETON	PENICILLINS	Allergy
NH CAMP PENDLETON	ZOFRAN	Allergy
NH CAMP PENDLETON	BENZODIAZEPINES	Allergy
LANDSTUHL REGIONAL MEDCEN	BENZODIAZEPINES	Allergy
NH CAMP PENDLETON	CEPHALOSPORINS	Allergy
NH CAMP PENDLETON	TETRACYCLINES	Allergy

Facility: NH CAMP PENDLETON
 Characteristic (Allergy Reactant): PENICILLINS
 Type: Allergy
 Comments:
 Reaction(s): Rash

Start Date:
 Jan 6 2009
 Stop Date:
 Jan 6 2010

CAPRI Patient Records
 Screen – DoD patient data
 is available on a separate
 tab



Computable Data



- Supports interoperability between DoD's Clinical Data Repository (CDR) and VA's Health Data Repository (HDR)
- Standardized, computable outpatient pharmacy and medication allergy data
- Computable data supports real time drug-drug and drug-allergy checks using data from both DoD and VA
 - For shared patients set as “active dual consumers,” data is seen enterprise-wide



AHLTA Medication Profile

DoD/VA ADC
Status Indicator

VA
DoD

Origin	Medication Name	Sig	Refills	Status	OTC	Last Filled Date	Ordering Provider	Order Start Date	Order Expiration Date	Facility/CHCS Host	Or
DoD	LISINPRIL, 20MG, TABLET, ORAL	T1 TAB PO QD #90 RF3	3 of 3	Active		06 Oct 2005	GBTESTER, G	06 Oct 2005	06 Oct 2006	NMC Portsmouth	05
DoD	THIAMINE HCL, 50MG, TABLET, ORAL	TID	2 of 3	Active		23 Sep 2005	DOCTOR, CHEWBACCA	23 Sep 2005	23 Sep 2006	NMC Portsmouth	05
DoD	SPIRONOLACTONE, 25MG, TABLET, ORAL	#30 RF0	NR	Expired		31 Aug 2005	GBTESTER, G	30 Aug 2005	29 Sep 2005	NMC Portsmouth	05
DoD	CIMETIDINE, 200MG, TABLET, ORAL	TID #30 RF1	1 of 1	Active		25 Aug 2005	GBTESTER, G	25 Aug 2005	25 Aug 2006	NMC Portsmouth	05
VA	RETIN-A (TRETINOIN), 0.025%, CREAM(GM)	AAA UD #1 RF1	1 of 1	Expired		Not Recorded		26 Feb 2001	26 Feb 2002	13th & Mission Dom	01
VA	TIACAC (DILTIAZEM HCL), 120MG, CAPSULE SA, OF	TID #30 UD RF1	1 of 1	Active		Not Recorded	GRISCOM, SHARON M	10 Aug 2005	10 Aug 2006	VA Pacific Islands HCS	05
VA	TIACAC (DILTIAZEM HCL), 120MG, CAPSULE	TID #30 UD RF1	1 of 1	Expired		Not Recorded	LRPROVIDER, ONE	10 Aug 2005	07 Sep 2005	13th & Mission Dom	01
Other	IBUPROFEN (IBUPROFEN), 100MG/5ML, ORAL SUS	TID #30 UD RF1	3 of 3	Active		Not Recorded	AA2544458	23 Aug 2005	Not Recorded	Not Available	15
VA	FISH OIL (OMEGA-3 FATTY ACIDS), CAPSULE, ORAL	TID #30 UD RF1	1 of 1	Active		Not Recorded	GRISCOM, SHARON M	31 Aug 2005	30 Aug 2006	VA Pacific Islands HCS	05
Other	IBUPROFEN (IBUPROFEN), 100MG/5ML, ORAL SUS	TID #30 UD RF1	3 of 3	Active		Not Recorded	AA2544458	08 Sep 2005	Not Recorded	Not Available	15
VA	VITAMIN A (VITAMIN A), 25000 UNIT, CAPSULE, OR	TID #30 UD RF1	1 of 1	Active		Not Recorded	GRISCOM, SHARON M	31 Aug 2006	30 Aug 2007	VA Pacific Islands HCS	05

Origin Column
Indicates Source
of Data (VA, DoD,
Other (PDTs))

Color Indicates Source
(Lt Blue = VA, Yellow=PDTs)

Facility/CHCS
Host Column
displays "Not
Available" from
PDTs

OTC is an over-the

ultra-Drugs, Cephalosporins,

Age: 30yo Sex: F LMP: Not Recorded Pregnant: No

Details

Medication Name		NDC
3UPROFEN (IBUPROFEN), 100MG/5ML, ORAL SUSP, ORAL, ALPHARMA US, 473 ml BOTTLE		00472-1270-16
Medication :		
Sig:		
Quantity:	120.0	
Refills:	3	Status: Active Order Number: 15177971:1148394:2005-09-08:254944
Refills Remaining:	3	Order Start Date: 08 Sep 2005@2000
Days of Supply:	4	Order Expiration Date: Not Recorded Comment:
Origin:	PDTs	Last Filled Date: Not Recorded
Facility/CHCS Host:	Not Available	Event Date: Not Recorded
Dispensing Location:	WALGREEN DRUG STORE #05580	
Clinic:		Ordering Provider: AA2544458

Origin, Facility and
Dispensing Location Detail

Close Detail

AHLTA Allergy Profile

DoD/VA ADC
Status Indicator

VA
DoD

Folder List

- Desktop
 - Alert Review
 - Appointments
 - Telephone Consults
 - Search
 - Patient List
 - Consult Log
 - Co-signs
 - Sign Orders
 - New Results
 - Reports
 - Tools
 - Web Browser
 - CHCS-I
 - Immunizations Admin
- GRISCOM, MISS Q
 - Demographics
 - Health History
 - Problems
 - Meds
 - Allergy
 - Wellness
 - Immunizations
 - Vital Signs Review
 - PKC Couplers
 - Readiness
 - Patient Questionnaires
 - Lab
 - Radiology
 - Clinical Notes
 - Previous Encounters
 - Flowsheets
 - Current Encounter
 - Screening
 - Vital Signs Entry
 - S/O
 - A/P
 - Disposition

Reminders

- 1 Hour Glucose Tolerance Test (GTT)
- Amblyopia & Vision Screen
- Anemia Screen
- Anti-Tobacco Counseling

☐ No known allergies

☐ Verified This Encounter

Allergen	Reaction	Onset Date	Info Source	Entered By	Comments	Origin	Facility/CHCS Host
Cephalosporins	Rash	06 Oct 2005	Patient	GBTESTER, G		DOD	NMC Portsmouth
SODIUM CHLORIDE	Other: SPIN-DIZZIES	15 Jul 2005	Unknown Source of Info	BORST, SCOTT E	Scott's Test 09/02/2005	VA	Abuquerque Army Hospital
SODIUM ITRATE	Other: SPIN-DIZZIES	15 Jul 2005	Unknown Source of Info	BORST, SCOTT E	Scott's Test 09/02/2005	VA	Abuquerque Army Hospital
Sulfa-Drugs	Urticaria	06 Oct 2005	Patient	GBTESTER, G	Two and three equals five.	DOD	NMC Portsmouth

Lt Blue Color Indicates Source is VA

Origin Column
Indicates Source
of Data (DoD or
VA)

Allergen:	Cephalosporins	Origin:	DOD
Onset Date:	06 Oct 2005	Entered By:	GBTESTER, G
Reactions:	Rash		
Info Source:	Patient	Facility/CHCS Host:	NMC Portsmouth
Comments:			

Vista/CPRS Medication Alert

Pt Inst Flag Remote Data Available No Postings

Action Outpatient Medications Expires Status Last Filled Refills Rem...

*SIMVASTATIN 40MG TAB
Sig: TAKE 1/2 TABLET B
*TO LOWER CHOLESTE
JUICE*USE TABLET CUT
*LISINAPRIL 40MG TAB Q
Sig: TAKE ONE-HALF TA
BLOOD PRESSURE*USE
*LORAZEPAM 1MG TAB Q
Sig: TAKE THREE TABLE

Medication Order

ERYTHROMYCIN TAB.EC

Change

Dosage	Complex	Route	Schedule	PRN
250MG		ORAL	Q24H	<input type="checkbox"/>
250MG	0.0364	ORAL	Q24H	<input type="checkbox"/>
500MG	0.0728		Q28D Q2H Q30D	<input type="checkbox"/>

Comments:

Days Supply: 90 Qty (TAB): 90

Patient Instruction: ☒ UNTIL ALL ARE TAKEN

Accept Order Cancel Order

CRITICAL drug-drug interaction: ERYTHROMYCIN & SIMVASTATIN (SIMVASTATIN TAB 40MG TAKE 1/2 TABLET BY MOUTH EVERY EVENING FOR 90 DAYS *TO LOWER CHOLESTEROL*AVOID GRAPEFRUIT AND ITS JUICE*USE TABLET CUTTER change from 20 40 mg. [ACTIVE])

CRITICAL drug-drug interaction: ERYTHROMYCIN & SIMVASTATIN (SIMVASTATIN 20MG TAB TAKE ONE TABLET BY MOUTH EVERYDAY IN THE EVENING TO LOWER CHOLESTEROL # 90 RF3[ACTIVE] >> NH Great Lakes IL)

Priority: ROUTINE

MAXIMUM OF 30 DAYS/FILL**DO NOT CRUSH**

ERYTHROMYCIN TAB.EC 250MG
TAKE ONE TABLET BY MOUTH EVERY 24 HOURS UNTIL ALL ARE TAKEN
Quantity: 90 Refills: 0

Accept Order Quit

Action Inpatient... Stop Date Status Location

Cover Sheet Problems Meds Orders Notes Consults Surgery D/C Summ Labs Reports



Wounded Warrior Image Transfer



Digital radiology images and scanned medical records for severely wounded warriors sent from DoD to VA when the decision is made to transfer the patient (inpatient to inpatient)



Data push at time of referral



- Walter Reed Army Medical Center
- National Naval Medical Center
- Brooke Army Medical Center



From 2007 to present:

- Images for more than 310 patients
- Scanned records for more than 390 patients

- Tampa Polytrauma Center
- Palo Alto Polytrauma Center
- Minneapolis Polytrauma Center
- Richmond Polytrauma





Image Sharing – Pilot Project



- El Paso imaging demonstration project
 - Radiology images shared between a limited number of DoD and VA facilities and users in a specified geographic region
 - Lessons learned and technology components will be leveraged for enterprise-wide image sharing

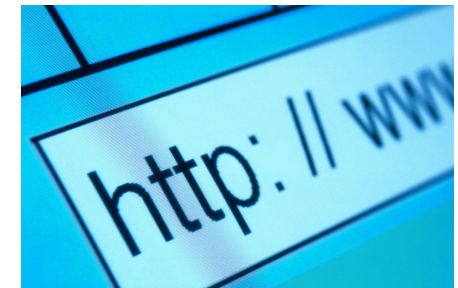
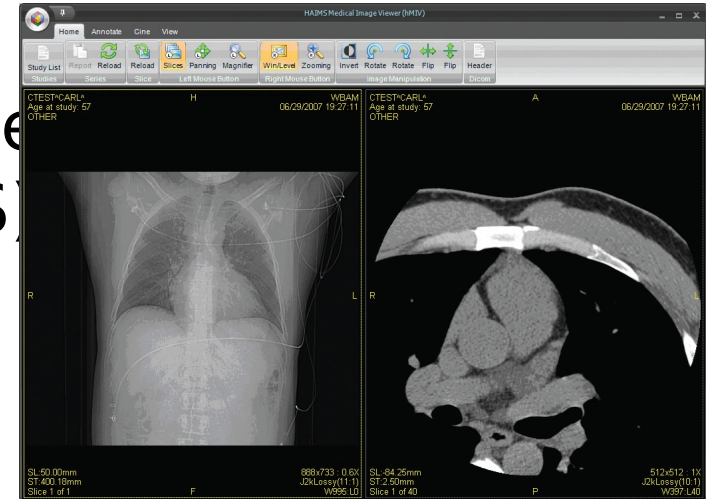




Image Sharing – Future Capability



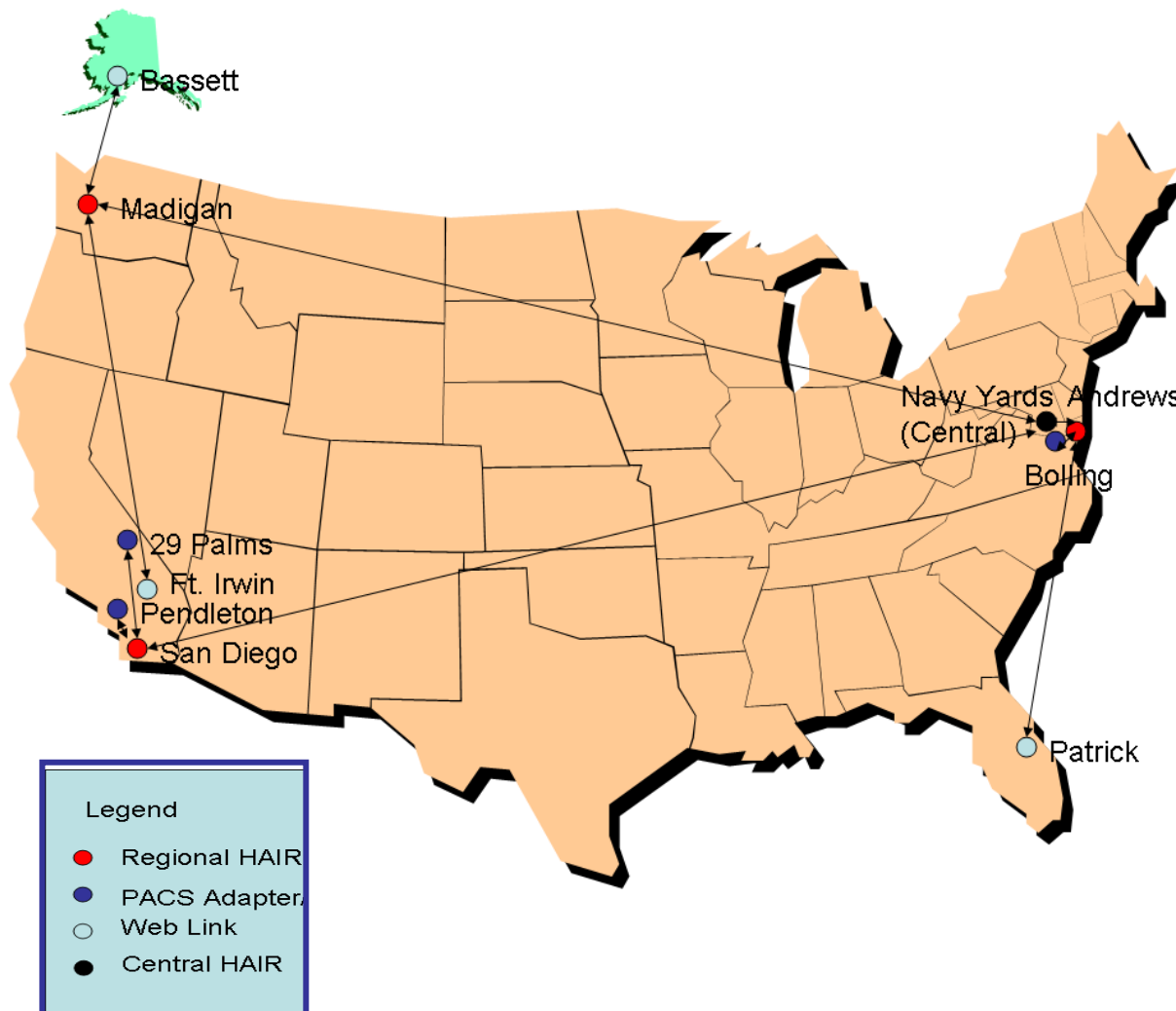
- DoD Health Artifact and Image Management Solution (HAIMS)
 - Web-based solution
 - Key capabilities: Import, view, manage, edit, register, store
 - Successfully demonstrated initial capability to share scanned artifacts with VA, in a test environment, in September 2009
 - DoD Limited User Testing began December 2009 at the first site





HAIMS Limited User Test Sites

- Army
 - Madigan
 - Large
 - Ft. Irwin
 - Medium
 - Bassett
 - Small
- Navy
 - Balboa
 - Large
 - 29 Palms
 - Medium
 - Pendleton
 - Small
- Air Force
 - Andrews
 - Large
 - Patrick
 - Medium
 - Bolling
 - Small



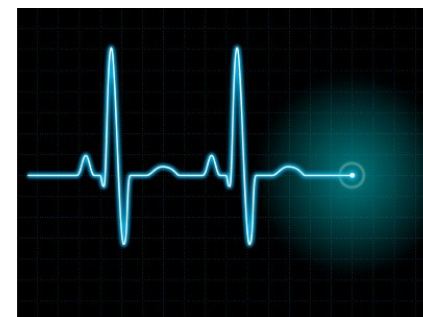
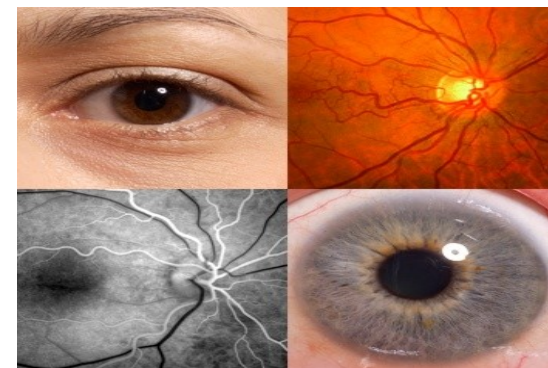
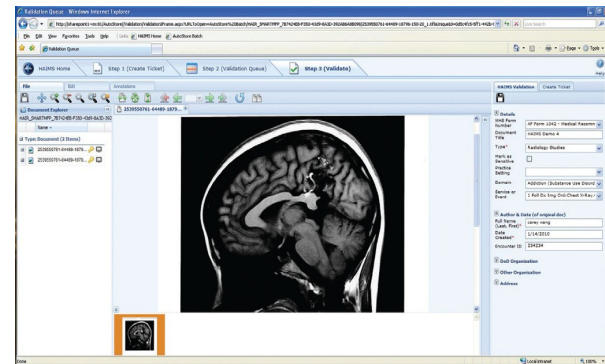
* HAIR - Health Artifact Imaging Repository



Image Sharing – Future Capability *(continued)*



- DoD Health Artifact and Image Management Solution (HAIMS)
(continued)
 - Global awareness of and global access to artifacts and images, including:
 - Scanned documents
 - Digital radiographs (X-rays, CTs, MRIs, mammography, and sonograms)
 - Clinical photographs (endoscopy, laparoscopy, retinal scans, and anatomic pathology)
 - Video
 - Cardiographic EKGs and echocardiographs





National Defense Authorization Act (NDAA) FY 2008, Section 1635



- Required DoD and VA to “develop and implement electronic health record (EHR) systems or capabilities that allow for full interoperability of personal health care information by September 30, 2009”
- DoD/VA Interagency Clinical Information Board (ICIB) identified high-level interoperability objectives
 - Expand DoD Essentris (inpatient documentation system) sites
 - Demonstrate the operation of Multipurpose Partnership Gateways





NDAA FY 2008, Section 1635

(continued)



- Share DoD social history data with VA
- Demonstrate initial capability for DoD to scan medical documents and share with VA
- Share DoD periodic health assessment data with VA
- Share DoD separation physical exam information with VA





What's Next?



- Expand inpatient documentation sharing
 - Continue DoD Essentris deployments in FY 2011
 - Increasing access to DoD inpatient documentation to 90% of total DoD inpatient beds by September 2011
- Migration of data traffic to the new multipurpose network gateways (completed September 30, 2010)

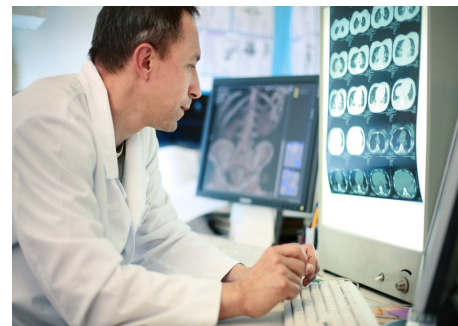




What's Next? *(continued)*



- Continue to expand the document scanning and image sharing capability
 - DoD HAIMS deployment to additional Limited User Testing sites in FY 2011
 - DoD and VA schedule for completing implementation of this capability
- Improve usability and other enhancements as defined by functional users
- ICIB objectives for FY 2011 and beyond





Federal Health Care Center North Chicago



*February 1, 2009 – Baseline
functional requirements:*

- Build a Single Patient Registration process
- Create Medical Single Sign-On with Patient Context Management
 - Initial Release for Clinical users
 - Follow-up work on administrative users
- Develop first phase of Single Order Entry process (orders portability) for Pharmacy, Laboratory, Radiology, and Consults

PROUD TO PARTNER



EXCELLENCE IN FEDERAL HEALTH CARE!
North Chicago VA Medical Center Naval Health Clinic Great Lakes





A Look to the Future



- DoD and VA currently share significant and unprecedented amounts of health data
- More than half of DoD and VA health care comes from private sector providers
- DoD and VA need access to private sector health documentation to create a true lifetime electronic health care record



A Week in the MHS



- **21,800 Inpatient Admissions**
 - 5,000 direct care
 - 16,800 purchased care
- **1.6 Million Outpatient Visits**
 - 737,000 direct care
 - 876,400 purchased care
- **103,000 Dental Visits**
 - Direct care only
- **3.5 Million Claims Processed**
- **2.48 Million Prescriptions**
 - 914,000 direct care
 - 1.37 million retail pharmacies
 - 200,000 mail order
- **2,380 Births**
 - 1,010 direct care
 - 1,370 purchased care

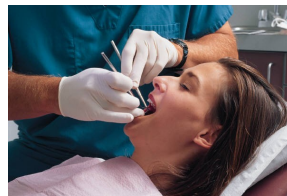
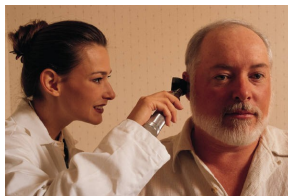




Average Monthly Purchased Care in VA



- In FY 2009, VA processed a total of 1.7 million purchased line items for non-VA medical care with the following monthly averages:
 - 234 unique patients for pharmacy
 - 11,051 unique patients for inpatient admissions
 - 72,659 unique patients for outpatient visits
 - 3,885 unique patients for dental visits
 - 213 unique patients for child birth delivery





American Recovery and Reinvestment Act (ARRA) of 2009



- In December 2009, HHS Secretary Sebelius announced plans to establish health IT "Beacon Communities"
 - \$235 million set aside funded the nationwide Beacon Community Program
 - Communities chosen are at the cutting edge of electronic health record (EHR) adoption and health information exchange
- If contacted by a Beacon Community wanting to partner, Military Treatment Facility (MTF) should work through Service CIOs
- Need to ensure initiatives are in-line with enterprise initiatives



Future State – Where Are We Going?



- On April 9, 2009, President Obama directed DoD and VA to create a Virtual Lifetime Electronic Record (VLER) that:

“will ultimately contain administrative and medical information from the day an individual enters military service throughout their military career and after they leave the military.”



Source: Washington Post, April 9, 2009

-President Barack Obama



Future State *(continued)*



- The goal of VLER is to provide seamless access to electronic records for Service members and Veterans through a single portal.
 - No one should experience delays in access to services they earned while serving their country because of red tape and paperwork.
- Success is dependent on the existence of an electronic health record capability in each participating organization. While VLER builds on that capability, the capability is separately developed and funded.



Service Member Health Care Life-Cycle



VA



Recruitment



Accession/Training



Routine Care



Virtual
Lifetime
Electronic



Transition &
Benefits
Assessment



Readiness/
Pre-
Deployment



Care at home/Post-



Care in



Deployed/Theater



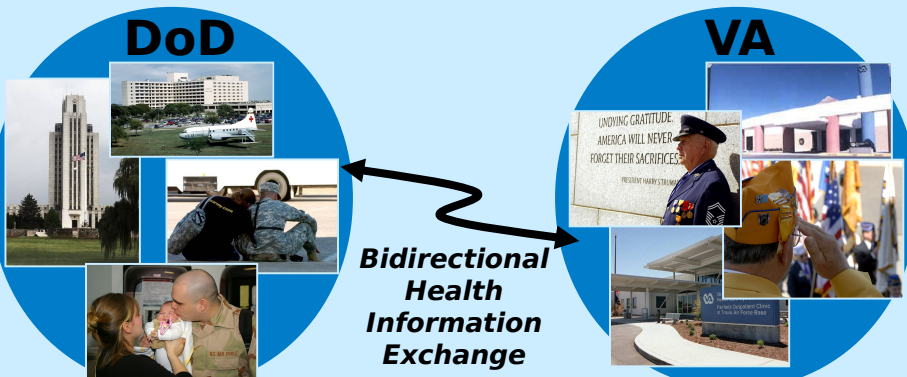


Transition to Future State

Current

DoD/VA Health Information Exchange

Historical data from 1989 forward, live data flow as of 2002, bidirectional data flow as of 2004, all DoD and VA medical facilities as of July 2007

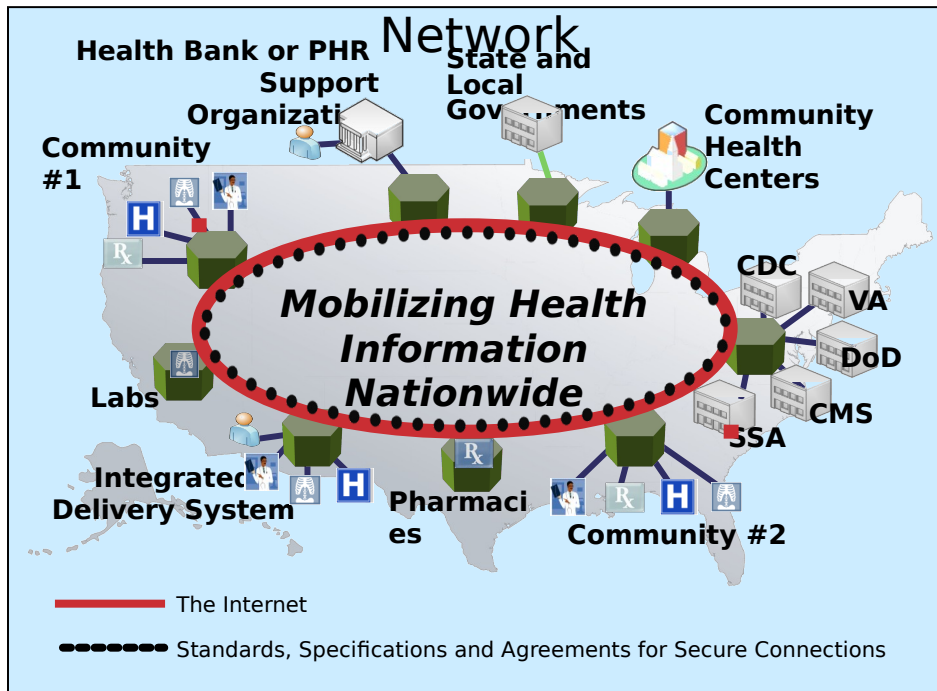


- Health data on more than 5.3 million Service members
- 3.8 million correlated patients
- 83.1 million lab results
- 13.5 million radiology reports
- 85.5 million pharmacy records
- 99.0 million standard ambulatory data records
- 4.2 million consultation reports
- 2.8 million deployment-related health assessments on more than 1.2 million individuals

(As of September 30, 2010)

Planned

Nationwide Health Information



Legend:

- CDC – Centers for Disease Control & Prevention
- CMS – Centers for Medicare & Medicaid Services
- PHR – Personal Health Record
- SSA – Social Security Administration



VLER Health Phase 1



Leverages the Nationwide Health Information Network to improve health data sharing between the DoD, VA and network care

Segment 1a Initial Pilot

January 31, 2010

- Health Data
 - HITSP* C32 subset
 - Patient information
 - Emergency Information
 - Allergies
 - Problems
 - Active Medications
 - Source of Sending System
- Pilot Partners: VA and Kaiser Permanente in San Diego, Ca.

Completed

Goal Pilot Every 6 Months

- Securely share data with the VA, private sector and other health information exchange partners
- Begin HITSP-based definition for DoD/VA unique data sets
- Expand health data exchange sets

Segment 1bi Production Pilot

September 15, 2010

- Health Data
 - HITSP C32 subset from 1a
 - Personal information
 - Emergency Contact
 - Allergies
 - Problem List
 - Medications
 - Source of Sending System
- + Hematology Lab Results
- Pilot Partners: VA and MedVirginia

Completed

* **HITSP: The American National Standards Institutes (ANSI) Health Information Technology Standards Panel, which develops national specifications for interoperable electronic health records.**



VLER Health Phase 1 - Next Steps

Tidewater (Current Pilot) and Beyond

By September 15, 2010

- Health Record Data
 - HITSP* C32 subset (from San Diego Pilot)
 - Hematology
- Naval Medical Center Portsmouth, VA Hampton Roads Medical Center, MedVirginia (data from Bon Secours hospitals in Richmond)

Before January 31, 2011

- Add Fort Eustis and Langley Air Force Base MTFs
- Deploy Tidewater capability to San Diego
- Continue development of future health data sets
- Continue use of Nationwide Health Information Network for HIE*

By January 31, 2011

- Additional sites (Washington State - Fairchild Air Force Base)
- Add Chemistry Lab Results
- Continue use of Nationwide Health Information Network for HIE

**Future
Phases
Production
& Pilots**

*HITSP: ANSI Health Information Technology Standards Panel.

*HIE: Health Information Exchange

